

INTRODUCTION

The Bostitch M6C is a precision-built tool designed for high speed, high volume fastening. These tools will deliver efficient, dependable service when used correctly and with care. As with any air-operated tool, performance and dependability is dependent on proper use. The instructions on installation, operation and maintenance should be read carefully and the manual kept for reference. NOTE: Additional safety measures may be required because of your particular application of the tool. Contact your Bostitch representative or distributor with any questions concerning the tool and its use. Bostitch, Inc., East Greenwick, Rhode Island 02816.

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NOTE:

Bostitch tools have been engineered to provide excellent customer satisfaction and are designed to achieve maximum performance when used with precision Bostitch fasteners engineered to the same exacting standards. Bostitch cannot assume responsibility for product performance when non-Bostitch fasteners are used. Bostitch does not meeting the specific requirements established for genuine Bostitch nails, clips and accessories.



LIMITED WARRANTY — U.S. and Canada Only

Effective December 1, 2005 Bostitch, LP warrants to the original retail purchaser that the product purchased is free from defects in material and workmanship, and agrees to repair or replace the product, at its option, from the date of purchase (one (1) year from the date of purchase) for compressors and tools used in production applications. Warranty is not transferable. Proof of purchase date required. This warranty covers only damage resulting from defects in material or workmanship; it does not cover conditions or malfunctions resulting from normal wear, impact, abuse, accident or misuse. Damage caused by other than normal wear or malfunctions resulting from normal wear, impact, abuse, accident or misuse shall be repaired by other than normal wear or malfunctions resulting from normal wear, impact, abuse, accident or misuse. For optimal performance of your Bostitch tool always use genuine Bostitch fasteners and replacement parts.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. BOSTITCH SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.

Some states and countries do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state and country to country. To obtain warranty service in the U.S. return the product, together with proof of purchase, to the U.S. Bostitch National or Regional Independent Authorized Warranty Service Center. In the U.S. you may call us at 1-800-555-2699 or visit www.BOSTITCH.com for the location most convenient for you. In Canada please call us at 1-800-567-7703 or visit www.BOSTITCH.com

SAFETY INSTRUCTIONS

WARNING: EYE PROTECTION which conforms to ANSI specifications and provides protection against flying particles from FRONT and SIDE should ALWAYS be worn by the operator and others in the work area when connecting to air supply, loading, operating or servicing this tool. Eye protection is required to guard against flying fasteners and debris which could cause severe eye injury.

WARNING: The employer and user must ensure that proper eye protection is worn. Eye protection must conform to the requirements of the American National Standards Institute, ANSI Z87.1 and provide both frontal and side protection. NOTE: Non-side shielded spectacles and face shields alone do not provide adequate protection.

CAUTION: Additional Safety Protection will be required in some environments. For example, use of hearing protection is required in environments where noise levels are high. Hearing damage, if provided and used by the operator and others in the work area. Some environments will require the use of head protection and other safety equipment. The employer and user must ensure that head protection conforming to ANSI Z89.1 is used.

AIR SUPPLY AND CONNECTIONS

WARNING: Do not use oxygen, combustible gases, or bottled gases as a power source for this tool as tool may explode, possibly causing injury.

WARNING: Do not use supply sources which can potentially exceed 200 P.S.I.G. as tool may burst, possibly causing injury.

WARNING: The connector on the tool must not hold pressure when air supply is disconnected. If a wrench is used to disconnect the air supply, the wrench must be used to depress the trigger. Do not pull trigger or depress contact arm when connected to the air supply as the tool may cycle, possibly causing injury.

WARNING: Always disconnect air supply. 1) Before making adjustments; 2) When servicing the tool; 3) When clearing a jam; 4) When tool is not in use; 5) When moving to a different work area, as accidental activation may occur, possibly causing injury.

WARNING: When loading tool, 1) Never place a hand or any part of body in fastener discharge area of tool; 2) Never point tool at anyone; 3) Do not pull the trigger or depress the trip as accidental activation may occur, possibly causing injury.

LOADING TOOL

WARNING: Always handle the tool with care. 1) Never engage in horseplay; 2) Never pull the trigger unless force is directed toward the work; 3) Keep fingers and hands safely causing injury.

WARNING: The operator must not hold the trigger pulled on contact arm tool except during fastening operation as serious injury could result. If the trip accidentally connects someone or something, causing the tool to cycle.

WARNING: Keep hands and body away from the discharge area of the tool. A contact arm tool may bounce from the recoil during a fastener and an unsecured second fastener may be discharged from the tool.

WARNING: Check operation of the contact arm mechanism frequently. Do not use the tool if the arm is not working correctly as accidental driving of a fastener may result. Do not interfere with the proper operation of the contact arm mechanism.

WARNING: Do not drive fasteners on top of other fasteners or with the tool at an overly steep angle as this may cause deflection of fasteners which could cause injury.

WARNING: Do not over-tighten the tool. The tool may cause injury to the user or others as the wood may split, allowing the tool to become airborne.

WARNING: This nailer produces SPARKS during operation. NEVER use the nailer near flammable substances, gases or vapors including lacquer, paint, benzene, oil, grease, flammable liquids, or other materials. Do not use the nailer in an environment where such environment could cause an EXPLOSION resulting in personal injury or death to user and bystanders.

WARNING: Never use rafter hook to hang tool from body, clothing or belt.

OPERATION

MAINTAINING THE TOOL

WARNING: When working on air tools, note the warnings in this manual and use extra care when revalving precision tools.

NEBC TOOL SPECIFICATIONS

All screws and nuts are metric.

MODEL	ACTUATION	LENGTH	HEIGHT	WIDTH	WEIGHT
NEBC-1	Contact Trip	10-1/2" (266.7mm)	11-5/8" (295.3mm)	4-3/8" (112.5mm)	4.85 lb (2.20 kg)
NEBC-2	Sequential Trip	10-1/2" (266.7mm)	11-5/8" (295.3mm)	4-3/8" (112.5mm)	4.85 lb (2.20 kg)

FASTENER SPECIFICATIONS:

This tool uses plastic and metal collared coil nails in lengths of 1-1/4" to 2-1/2" (32 - 63mm) with .089" to .092" (2mm to 2.3mm) shank diameter.

TOOL AIR FITTING:

This tool uses a free-flow connector plug, 1/4" N.P.T. The minimum inside diameter should be .200" (5mm). The fitting must be capable of discharging tool air pressure when disconnected from the air supply.

OPERATING PRESSURE:

70 to 120 p.s.i.g. (4.8 to 8.3 kg/cm²). Select the operating pressure within this range for best fastener performance.

DO NOT EXCEED THE RECOMMENDED OPERATING PRESSURE.

AIR CONSUMPTION:

The NEBC requires 5.3 cubic feet per minute (148.9 m³) of free air to operate at the rate of 100 nails per minute, at 80 p.s.i.g. (5.5 kg/cm²). The fastener average length is 1.5" (38.1mm). The fastener average diameter is .089" (2.2mm). The fastener average average 50 nails per minute, you need 50% of the tools c.f.m. which is required to operate the tool at 100 nails per minute.

OPERATION

BOSTITCH OFFERS TWO TYPES OF OPERATION FOR THIS SERIES TOOL.

CONTACT TRIP:

The common operating procedure on "Contact Trip" tools is for the operator to contact the work to actuate the trip mechanism while keeping the trigger pulled, thus driving a fastener each time the work is contacted. This will allow rapid fastener placement on many jobs, such as sheathing, decking and panel assembly. All pneumatic tools are subject to recoil when driving fasteners. The tool may bounce, rebound one trip, and automatically advance to retract the trigger. The operator must be ready to re-engage the trigger and holding trigger pistol on unvalving second fastener will be driven.

SEQUENTIAL TRIP:

The Sequential Trip requires the operator to hold the tool against the work before pulling the trigger. This makes accurate fastener placement easier, for instance on framing, toe nailing and ceiling applications. The Sequential Trip allows exact fastener location without the possibility of driving a second fastener on recoil, as described under "Contact Trip". The Sequential Trip is a "one shot" operation. The operator must hold the trigger of the tool is contacted against the work - or anything else - while the operator is holding the trigger pulled.

MODEL IDENTIFICATION:

Refer to Operation instructions on page 8 before proceeding to use this tool.

CONTACT TRIP
Identified By:
BLACK TRIGGER



SEQUENTIAL TRIP
Identified By:
GRAY TRIGGER



AIR SUPPLY AND CONNECTIONS

WARNING: Do not use oxygen, combustible gases, or bottled gases as a power source for this tool as tool may explode, possibly causing injury.

FITTINGS:

Install a male plug on the tool which is free flowing and which will release air pressure from the tool when disconnected from the supply source.

HOSES:

All hoses should have a minimum of 150 p.s.i. (10.5 kg/cm²) working pressure rating or 150 percent of the maximum pressure that could be produced in the air system. The supply hose should contain a fitting that will provide "quick disconnecting" from the male plug on the tool.

SUPPLY SOURCE:

Do not use compressed air as a power source for this tool. NEVER USE OXYGEN, COMBUSTIBLE GASES, OR BOTTLED GASES, AS A POWER SOURCE FOR THIS TOOL. AS TOOL MAY EXPLODE.

REGULATOR:

A pressure regulator with an operating pressure of 0 - 125 p.s.i. (0 - 8.79 kg/cm²) is required to control the operating pressure of the tool. Do not connect the tool to air pressure which can potentially exceed 125 p.s.i. (8.79 kg/cm²) as tool may fracture or burst, possibly causing injury.

OPERATING PRESSURE:

Do not exceed recommended maximum operating pressure as tool wear will be greatly increased. The air supply must be capable of maintaining operating pressure at the tool. Pressure drops in the air supply can result in loss of driving power. Refer to "TOOL SPECIFICATIONS" for setting the correct operating pressure for the tool.

FILTER:

Dirt and water in the air supply are major causes of wear in pneumatic tools. A filter will help to get the best performance from the tool. The filter must have adequate flow capacity for the specific installation. The filter has to be kept clean to be effective in providing clean compressed air to the tool. Consult the manufacturer's instructions on proper maintenance of your filter. A dirty and clogged filter will cause a pressure drop which will reduce the tool's performance.

LUBRICATION

Frequent, but not excessive, lubrication is required for best performance. Oil added through the air inlet connection will lubricate the internal parts. Use BOSTITCH AIR TOOL LUBRICATED OIL. Do not use oil which is not specifically recommended for pneumatic tools. Do not use oil which is not specifically recommended for pneumatic tools. Do not use oil which is not specifically recommended for pneumatic tools. Do not use oil which is not specifically recommended for pneumatic tools.

If no air line lubricator is used, add oil during use into the air fitting on the tool once or twice a day. Only a few drops are needed. The amount of oil will only collect inside the tool and will be noticeable in the exhaust cycle.

COLD WEATHER OPERATION:

For cold weather operation, near and below freezing, the moisture in the air line may freeze and prevent tool operation. We recommend the use of BOSTITCH WINTER FORMULA air tool lubricant or permanent antifreeze (ethylene glycol) as a cold weather lubricant.

CAUTION: Do not store tools in a cold weather environment to prevent frost or ice formation on the tool operating valves and mechanisms that could cause tool failure.

NOTE: Some commercial air line drying liquids are harmful to O-rings and seals - do not use these low temperature air dryers without checking compatibility.

LOADING THE N66C



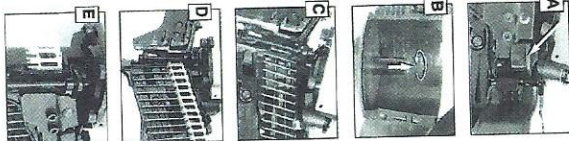
WARNING: EYE PROTECTION must conform to ANSI specifications and provide protection against flying objects from the FRONT and SIDE should ALWAYS be worn by the operator and others in the work area when connecting to air supply, loading, operating or repairing the tool. Eye protection is required to guard against flying fasteners and debris, which could cause severe eye injury.

The employer must ensure that proper eye protection is worn. Eye protection equipment must conform to the requirements of the American National Standards Institute, ANSI Z87.1 and provide both frontal and side protection. Non-safety spectacles and face shields alone do not provide adequate protection.

TO PREVENT ACCIDENTAL INJURIES:

- Never place a hand or any other part of the body in nail discharge area of tool while operating the tool.
- Never adjust the tool at anyone else.
- Never engage in horseplay.
- Always pull the trigger unless nose is directed at the work.
- Always handle the tool with care.
- Do not pull the trigger or depress the trip mechanism while loading the tool.

1. Open the magazine: Pull down door latch and swing door/magazine cover outward. Fig. A
 2. Check adjustment: Nail length for the length of nail to be used. Nails will not feed smoothly if the magazine is not correctly adjusted. The magazine contains an adjustable nail pad on which the nail coil rests. The nail pad can be moved forward or backward. The nail pad can be adjusted by turning the adjustment screw. The adjustment screw has three nail settings: 1-3/4" - 2" (45-50mm) nails - use upper step 1-1/2" - 1-1/2" (32-38mm) nails - use middle step 1-1/4" - 2-1/2" (37-64mm) nails - use bottom step
 3. Load the coil of nails: Load the coil of nails over the port in the magazine. Uncoil enough nails to pass the coil over the port. Place the first nail in front of the front tooth on the feed pawl. In the driver channel. The nail heads must be in the slot in the nose. Fig. C and Fig. D
- NOTE:** Use only nails recommended by Bostitch for N66C series nailers or nails which meet Bostitch specifications.
4. Swing cover closed: To aid in the loading of plastic collated nails, the tabs on the cover should be held in the open position. Apply pressure to the top center of the tab and be especially apply pressure to the bottom outer edge of the tab until it rests on the top outer rim of the cover. Swing the door/magazine cover closed. Check that the latch engages when released. (It does not engage, check that the nail heads are in the slot in the nose.)
 5. Removal of plastic strip: As nails are driven, the plastic strip will feed out of the tool. When sufficient strip has been fed out, it can be torn away by pulling against the saw edge in the nose. Fig. E



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'DIAL-A-DEPTH™' FASTENER CONTROL ADJUSTMENT

The DIAL-A-DEPTH™ Fastener Control adjustment feature provides close control of the fastener depth. First, set the air pressure for consistent drive in the specific work as described on page 4, then use the DIAL-A-DEPTH™ Fastener Control adjustment to give the desired depth of drive.



IN ADDITION TO THE OTHER WARNINGS CONTAINED IN THIS MANUAL OBSERVE THE FOLLOWING FOR SAFE OPERATION

- Use the BOSTITCH pneumatic tool only for the purpose for which it was designed.
- Never use this tool in a manner that could cause a fastener to be directed toward the user or others in the work area.
- Do not use the tool as a hammer.
- Always carry the tool by the handle. Never carry the tool by the air hose.
- Do not alter or modify this tool from the original design or function without approval from BOSTITCH.
- Always be aware that misuse and improper handling of this tool can cause injury to yourself and others.
- Never clamp or tape the trigger or contact trip in an actuated position.
- Never leave a tool unattended with the air hose attached.
- Do not operate this tool if it does not contain a legible WARNING LABEL.
- Do not continue to use a tool that leaks air or does not function properly. Notify your nearest Bostitch representative if your tool continues to experience functional problems.

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TOOL OPERATION



CAUTION: EYE PROTECTION which conforms to ANSI specifications and provides protection against impact and penetration is required. Eye protection is required to guard against flying fasteners and debris, which could cause severe eye injury.

The employer must ensure that proper eye protection is worn. Eye protection must conform to the requirements of the American National Standards Institute, ANSI Z87.1 and provide both frontal and side protection. NOTE: Non-side shielded spectacles and face shields alone do not provide adequate protection.

BEFORE HANDLING OR OPERATING THIS TOOL:

- I. READ TO UNDERSTAND THE WARNINGS CONTAINED IN THIS MANUAL.
- II. REFER TO TOOL SPECIFICATIONS IN THIS MANUAL TO IDENTIFY THE OPERATING SYSTEM ON YOUR TOOL.

There are two available systems on BOSTITCH pneumatic tools. They are:
1. CONTACT TRIP OPERATION 2. SEQUENTIAL TRIP OPERATION

OPERATION

1. CONTACT TRIP OPERATION:

- The CONTACT TRIP MODEL operates in conjunction with the trigger to drive a fastener. The mode of operation is as follows:
- A. SINGLE FASTENER PLACEMENT: To operate the tool in this manner, first position the contact tip on the work surface, WITHOUT PULLING THE TRIGGER. Depress the contact tip until the tool touches the work surface and then pull the trigger to the rear to drive the fastener. Release the trigger to the rear to stop the tool from driving the fastener. Remove your finger from the trigger after each operation.
 - B. RAPID FASTENER OPERATION: To operate the tool in this manner, hold the tool with the contact tip against the work surface, but not touching the work surface. Pull the trigger and then tap the contact tip against the work surface using a bouncing motion. Each depression of the contact tip will cause a fastener to be driven.

WARNING:

The operator must not hold the trigger pulled on contact trip tools except during fastening operation, as serious injury could result if the trip accidentally contacted someone or something, causing the tool to fire.

WARNING:

Keep fingers and hands away from the discharge area of the tool. A contact trip tool may be driven from the recoil of driving a fastener and an unwanted second fastener may be driven, possibly causing injury.

WARNING:

Never use rather back to hang tool from body, clothing or belt.

2. SEQUENTIAL TRIP OPERATION:

The SEQUENTIAL TRIP MODEL contains a contact tip that operates in conjunction with the trigger to drive a fastener. To operate a sequential trip tool, first position the contact tip on the work surface WITHOUT PULLING THE TRIGGER. Depress the contact tip and then pull the trigger to drive a fastener. Release the trigger to the rear to stop the tool from driving the fastener. The contact tip fastener which same trigger must be repeated to drive another fastener. The sequence described above must be repeated to drive another fastener.

TOOL OPERATION CHECK:

CAUTION: Remove all fasteners from tool before performing tool operation check.

1. CONTACT TRIP OPERATION:

- A. With finger off the trigger, press the contact tip against the work surface. THE TOOL MUST NOT CYCLE.
- B. Hold the tool of the work surface, and pull the trigger. THE TOOL MUST NOT CYCLE.
- C. With the foot of the work surface, pull the trigger. Press the contact tip against the work surface. THE TOOL MUST CYCLE.
- D. Without touching the trigger, press the contact tip against the work surface, then pull the trigger. THE TOOL MUST CYCLE.

2. SEQUENTIAL TRIP OPERATION:

- A. Press the contact tip against the work surface, without touching the trigger. THE TOOL MUST NOT CYCLE.
- B. Hold the tool of the work surface and pull the trigger. THE TOOL MUST CYCLE.
- C. Put the trigger and press the contact tip against the work surface. THE TOOL MUST NOT CYCLE.
- D. With finger off the trigger, press the contact tip against the work surface. Pull the trigger. THE TOOL MUST CYCLE.

MAINTAINING THE PNEUMATIC TOOL

WARNING: When working on air tools, note the warnings in this manual and use extra care evaluating problem tools.

REPLACEMENT PARTS:

BOSTITCH replacement parts are recommended. Do not use modified parts or parts which will not give equivalent performance to the original equipment.

ASSEMBLY PROCEDURE FOR SEALS:

When the tool is assembled, be sure the internal parts are clean and lubricated. Use Parker "O"-LUBE or equivalent on all "O"-rings. Coat each "O"-ring with "O"-LUBE before assembling. Use a small amount of oil on all moving surfaces and pivots. After assembly add a few drops of BOSTITCH-Air Tool Lubricant through the air line filling before testing.

AIR SUPPLY-PRESSURE AND VOLUME:

Air volume is as important as air pressure. The air volume supplied to the tool may be inadequate because of undersize fittings and hoses, or from the effects of dirt and water in the system. Restricted air flow will prevent the tool from reaching an adequate volume of air, even though the pressure reading is correct. For these symptoms, check the supply source for restrictive connections, swivel fittings, low points containing water and anything else that would prevent full volume flow of air to the tool.